

AMENDMENTS TO THE DRAWINGS:

The replacement sheet in the Appendix includes changes to Figure 2. This sheet, which also includes Figure 1, replaces the original sheet including Figures 1-2. In Figure 2, the previously omitted labels have been added.

REMARKS

Figure 2 has been amended to include labels, as requested in the Official Action. Withdrawal of the objection to the drawings is respectfully requested.

The indication that claims 1-2 include patentable subject matter is acknowledged with thanks.

The Official Action objects to the form of claims 1-2 and rejects these claims under §112, second paragraph. Claims 1-2 have been amended as to form bearing in mind the criticisms in the Official Action and reconsideration and withdrawal of the objection and rejection are respectfully requested.

The questions in the Official Action asking how the rotational viscosity is "fitted" in claim 2 are addressed in the specification as filed at pages 13-15, for example. The claim is written for one of skill in the art and it is believed that one of skill in this art will understand how to fit data, given the explanation in the specification and the general understanding of the artisan. The specification acknowledges that the artisan knows fitting procedures at page 14, lines 7-10, wherein the method is described as more accurate than "a conventional fitting procedure." In addition, the punctuation in claim 2 has been amended to make clear that the coefficients are determined by fitting theoretical values to data collected by the transmittance measuring unit when the voltage supply is switched. It is believed that claim 2 is sufficiently clear, when read in light

of the specification by the artisan, so as to be practiced by one of skill in the art.

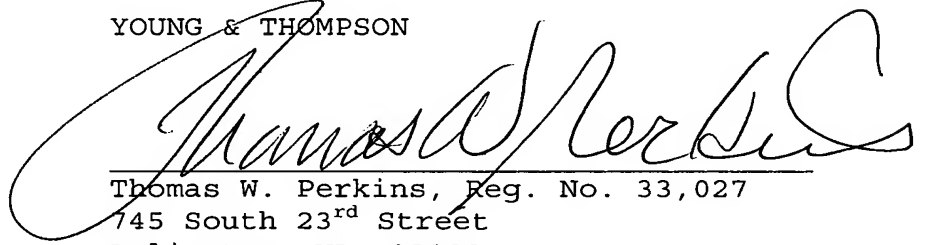
New claim 3 has been added and its consideration and allowance are respectfully requested.

In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

YOUNG & THOMPSON

A large, stylized handwritten signature in black ink, appearing to read 'Thomas W. Perkins', is written over the printed name and address.

Thomas W. Perkins, Reg. No. 33,027
745 South 23rd Street
Arlington, VA 22202
Telephone (703) 521-2297
Telefax (703) 685-0573
(703) 979-4709

TWP/lrs

APPENDIX:

The Appendix includes the following item:

- one replacement drawing sheet